

To: Turner, Alison[alison.turner@mountainview.gov]
From: Lee, Alana
Sent: Thur 9/18/2014 6:39:13 PM
Subject: RE: EPA Updated Information Request - Sewer Information - 9/12/14

Hi Alison,

We downloaded what you posted on Dropbox, but we're not sure if there is an additional report that you tried emailing to me on Tuesday that I didn't receive. If so, could you please post on Dropbox or try re-sending to me.

Thanks,

Alana

From: Lee, Alana
Sent: Wednesday, September 17, 2014 7:39 AM
To: 'Turner, Alison'
Subject: RE: EPA Updated Information Request - Sewer Information - 9/12/14

Hi Alison,

Thanks so much for your response. I'll check with our Team on the what information they review and we will check the Dropbox. I'll let you know if we have any questions.

Alana

From: Turner, Alison [<mailto:alison.turner@mountainview.gov>]
Sent: Tuesday, September 16, 2014 4:18 PM
To: Lee, Alana
Subject: RE: EPA Updated Information Request - Sewer Information - 9/12/14

Alana-

I uploaded a couple of documents to the Dropbox- 2010 Benchmark, and a sketch titled East Trunk sewer.

Alison

Delivery has failed to these recipients or groups:

'lee.alana@epa.gov' (lee.alana@epa.gov) <<mailto:lee.alana@epa.gov>>

Your message wasn't delivered because the recipient's e-mail provider rejected it.

The following organization rejected your message: pp2.mountainview.gov.

From: Turner, Alison

Sent: Tuesday, September 16, 2014 4:03 PM

To: 'Lee, Alana'

Cc: Fuller, Michael; Mulhearn, Mike

Subject: RE: EPA Updated Information Request - Sewer Information - 9/12/14

Hi Alana-

The diaries are stored on microfilm and it my understanding that City staff collected all the pertinent rolls and EPA staff reviewed microfilm at the library. Please check with you staff to see if copies were made for the specific projects. The diaries are assigned to each City of Mountain View project name e.g. East Trunk Sewer Phase I, Phase II etc.

Our sewer system maps generally measure the depth from top of manhole to invert. This is not a precision measurement but used as guidance for crews to determine the relative depth of a main. For true measurement of the inverts etc. , the manhole depth would need to verified by a surveyors.

I have enclosed the 2010 Benchmark information that may assist in determining why invert elevation don't seem to match between various plan sets. Page 5 of the attached document explains the various datum. Project plans most like used different datum.

I also enclosed a sketch that describes the sequencing of construction projects.

Mike will meet with you September 25, to assistin the visual verification of the pipe connections at manholes.

Scott Plambaeck has responded to your request for building plan.

If you have any questions, feel free to call me at (650) 903-6081

Alison

From: Lee, Alana [<mailto:lee.alana@epa.gov>]
Sent: Thursday, September 11, 2014 11:23 PM
To: Turner, Alison

Cc: Mulhearn, Mike; Fuller, Michael; Plambaeck, Scott

Subject: EPA Updated Information Request - Sewer Information - 9/12/14

Hi Alison and all,

During our call last week, we discussed additional information that the City may have that would be useful to EPA. Listed below is additional information that EPA is requesting.

I would also like to check your and Mike's availability on Thursday, Sept 18 or Thursday, Sept 25th for EPA to accompany you to confirm the MH invert depths/elevations and lengths along Evandale and Leong and west across the Gateway Easement. If those dates don't work, please suggest alternate dates.

Thanks so much for your continued support!

Alana

1. Please provide sewer construction diaries for the following pipe segments:

- Evandale Trunk located between N. Whisman Rd and Highway 85 (1957 to 1980, and 1980 to present)
- Sewer segment located along Fairchild Dr, between Ellis St. and N. Whisman Rd (1957 to 1980, and 1980 to present)
- Pumping station located a N. Whisman Rd and Fairchild Dr. (1957 to 1967)

2. Please provide stormwater construction diaries for the following segments:

- Storm drain segment located along Fairchild Dr, between Ellis St and Tyrella Ave (~1959 to present)

- Storm drain segment located along Evandale Ave, from Tyrella Ave across the Gateway Easement to Stevens Creek (~1959 to present)

3. Please provide or assist EPA with obtaining building plans for the following:

- Commercial addresses:

- 515/545 N. Whisman Rd. (~1959)
- 313/323 Fairchild Dr (~1962)
- 644 National Ave (~1966)
- 415 E. Middlefield Rd (~1966)
- 350 Ellis St (~1960)
- 365 E. Middlefield Rd (~1964)
- 750 Moffett Blvd (~1971)
- 850 Leong Dr (~1973)
- 870 Leong Dr (~1972)
- 117 Easy St (~1990)
- 333 Logue Ave/690 E. Middlefield Rd

- Residential addresses:

- 228-236 Evandale Ave / 277 Fairchild Dr
- 225-231 Evandale Ave
- 148-156 Evandale Ave
- 123-125 Evandale Ave

From: Lee, Alana

Sent: Wednesday, August 27, 2014 1:58 PM
To: 'Turner, Alison'
Cc: 'Mulhearn, Mike'; 'Fuller, Michael'; 'Plambaeck, Scott'
Subject: RE: EPA Updated Information Request - Sewer Information

In response to previous Q#3 you requested the source document for the pumping. Name of study and construction drawing.

Attached are the copies of the undated engineering study and drawings of the pumping station previously provided by the City.

Here are the page references:

Doc. No. 903 (pdf p. 5)

Doc. No. 983 (pdf pp. 15-17)

The pump is also shown in other drawings but we think the attached report and figures should give the City what you need.

We are hoping to get more of a narrative description from the City about the pump, if there was any connection between the pump and the abandoned line on Evandale, and if there were any maintenance issues. It sounds like the City doesn't have any other historical information about the pump other than what has already been provided.

Thanks,

Alana

From: Lee, Alana
Sent: Thursday, August 21, 2014 6:11 PM
To: 'Turner, Alison'
Cc: Mulhearn, Mike; Fuller, Michael; Plambaeck, Scott
Subject: RE: EPA Updated Information Request - Sewer Information

Hi All,

Thank you for your response. Yes, let's discuss further when Alison returns from vacation.

Alana

From: Turner, Alison [<mailto:alison.turner@mountainview.gov>]
Sent: Wednesday, August 20, 2014 1:31 PM
To: Lee, Alana
Cc: Mulhearn, Mike; Fuller, Michael; Plambaeck, Scott
Subject: RE: EPA Updated Information Request - Sewer Information

Hi Alana-

I think we need to talk to clarify the questions. Mike and I will call you next week when I return from vacation. Answers are annotated below.

Alison

From: Lee, Alana [<mailto:lee.alana@epa.gov>]
Sent: Tuesday, August 19, 2014 5:36 AM
To: Fuller, Michael; Turner, Alison
Cc: Plambaeck, Scott; Fuller, Michael
Subject: EPA Updated Information Request - Sewer Information

Hi Mike and Alison,

Thank you for providing all the valuable information and for working so closely with EPA. EPA has made a lot of progress and we are now in need groundtruthing some of the information provided on sewer and stormwater pipe attributes. EPA needs your help in verifying specific features. See our EPA's questions below. I have also included previous EPA questions that are still remaining.

New EPA Questions – 8/19/2014

1. Various sources show different sewer and stormwater pipe and/or manhole depths and elevations. For example, the GIS data the City provided lists the manhole invert depth for MH F5-054 as 17.42 ft bgs, while the sewer map provided by the City (Map F5) show the depth for this same manhole as 12.3 ft bgs. Are these two different lines (one sewer and the other storm?). As-builts from the 1960s and 1970s also show inconsistent pipe invert depths. EPA needs verified pipe attribute information including: pipe elevation and/or depth, ground elevation at the location of the pipe, and pipe segment length.

o Has the City verified the depths/elevations and lengths of the sewer and storm pipes that run along Evandale Ave., west across the Gateway Easement? If so, when was that verification conducted? EPA is requesting this information.

o If the City does not have verified sewer and storm pipe attribute information, EPA is requesting the City's support in obtaining this information for EPA.

o During a 1/16/2014 EPA meeting with the City, Mike Mulhearn stated that the Public Works Dept. had looked for visual signs of the abandoned line on Evandale but did not find any. Can you describe how the City went about looking for visual signs of the abandoned line? EPA is requesting the City's support in taking a closer look to see if the abandoned line can be located and verify such attributes as the pipe length, pipe depth and connection to a manhole.

2. Sewer pipe collapse

- a. Letters dated 3/20/1960 and 4/20/1960 from the Assistant Director of Public Works describes an Evandale Trunk sewer collapse that occurred “adjacent to and west of Moffett Interchange.” Please confirm the exact location of this collapse. Is there any documentation on the quantity of sewer material/discharge released to the surrounding soil? Is there any information available on the remediation that occurred as a result of the collapse (e.g., sampling or excavation)?
- b. Are there records of any other sewer collapses (or similar cases) along the Evandale Trunk located between N. Whisman Rd. and Highway 85? If so, please provide details on such events.

I checked with a retiree and we do not have any information on the parallel sewer main.

3. In general, the sewer videos provided to EPA showed water in the bottom half of the pipe. Is there a way to tell from the video if there is a crack or break below the water line within the pipe?

Requires specialized TV inspection.

4. Manhole overflows

- a. Is the City aware of any sewer overflow events along the Gateway Easement segment of the sewer line (i.e., Manholes F5-056, F5-054, F5-052 and F5-034)? If so, please provide details on the events, including location, dates and estimated quantity of overflow. *None*
- b. During the 1/16/2014 EPA meeting with the City, Mike Mulhearn stated that the earliest available data for sewer overflow events is from 2005. Please confirm that this date is correct. *That is correct*

Previous EPA questions – still awaiting response:

1. Date the Ferguson line was abandoned.

File 7295 the sewer was abandoned as part of Whisman Park subdivision about 1997 , in conjunction with VTA construction.

2. A 6/4/1969 letter from the City of Mountain View discusses capacity issues along N. Whisman Rd, as well as provides several remedies. A 1973 engineering report also discusses capacity issues and remedies. One of the suggested remedies includes the installation of a dam on N. Whisman Rd that would divert sewer westward.

o Were capacity issues along N. Whisman Rd addressed and if so, please provide what steps were taken.

o Please provide all records discussing any capacity remedies/solutions that that were utilized between 1959 – the 1980s along N. Whisman Rd.

3. An undated engineering study (possibly 1964) of the East Trunk Sewer indicates that industrial waste from the major portion of the Ellis-Middlefield area was being lifted into the Evandale Trunk by means of a temporary pump station located at the intersection of N. Whisman and Fairchild Dr. A 1959 Vicinity Map of Improvement Plan also shows the sewer lift station at this location. The 1965 East Trunk Sewer Phase 2 plans indicate the pump and existing sewer line connected to the Evandale Ave line were removed at that time.

a. Please briefly describe how the pump station worked

b. Do you have any maintenance records for the pump station and the sewer lines connecting to the Evandale Trunk?

It would be helpful if you provide the source document for the pumping. Name of study and construction drawing.

If you review the construction drawings as matter of sequencing it may shed some light on the Evandale/ Whisman pump requirements. The Evandale was the “old” trunk main. When the City of Mountain View partnered with Palo Alto a “new” trunk main was constructed. The Evandale sewer is higher than the “new” East trunk sewer. A temporary pump station might have been used for this

I will give you a call later this week to discuss how EPA can best obtain responses to our remaining questions.

Thank you!

Alana Lee

EPA Project Manager

Superfund Division

415.972.3141

Lee.Alana@epa.gov